

Wireless Network Perimeter Security System
Using Overlaying Radio Frequency Signals

Abstract of the Disclosure

[0049] Methods, apparatuses and systems directed to securing a wireless network environment from eavesdropping and other unauthorized activities. One implementation prevents or disrupts meaningful access to information contained in WLAN RF signals that escape from a given physical space during operation of the wireless network. One implementation utilizes overlay RF signals transmitted on one or more operating channels of the WLAN to overpower or mask the internal RF signals escaping from a defined security line or perimeter. One implementation monitors the RF energy escaping to dynamically adjust the power of the overlay signal as required. Implementations of the invention can secure the outer perimeter of an office within a building, or even the outer perimeter of an entire building.